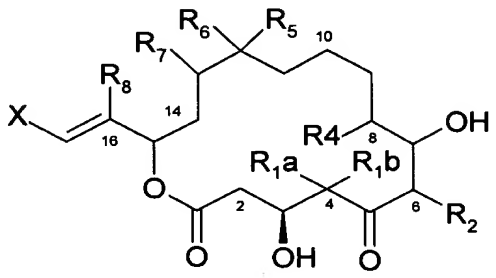
This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. **(Previously presented)** An epothilone compound of formula I,



in which

R^4 means hydrogen, C_1-C_{10} alkyl, aryl, C_7-C_{20} aralkyl,

R^5 means hydrogen, C_1-C_{10} alkyl, aryl, C_7-C_{20} aralkyl,

wherein, for R^4 and R^5, aryl is phenyl, wherein said phenyl is optionally substituted in one or more places by halogen, OH, O-alkyl, CO_2H, CO_2-alkyl, -NH_2, -NO_2, -N_3, -CN, C_1-C_{20} alkyl, C_1-C_{20} acyl and/or C_1-C_{20} acyloxy groups, and

wherein, for R^4 and R^5, aralkyl is benzyl or phenylethyl, wherein said benzyl or phenylethyl is optionally substituted in one or more places by halogen, OH, O-alkyl, CO_2H, CO_2-alkyl, -NO_2, -N_3, -CN, C_1-C_{20} alkyl, C_1-C_{20} acyl and/or C_1-C_{20} acyloxy groups,

R^6, R^7 each mean a hydrogen atom, or together mean an additional bond to result in a double bond on the ring between their two positions or together mean an oxygen atom to provide an epoxide ring,

R^8 means a methyl group or hydrogen,

and at the same time, R^{1a} and R^{1b} together stand for a trimethylene group, R^2 stands for a phenyl or benzyl radical, and X stands for a 2-methyl-4-thiazolyl or 2-methyl-4-oxazolyl radical or

at the same time R^{1a} and R^{1b} together stand for a trimethylene group, R^2 stands for a methyl, ethyl or propyl group and X stands for a 2-methyl-4-thiazolyl or 2-methyl-4-oxazolyl radical or

at the same time R^{1a} and R^{1b} in each case stand for a methyl group, R^2 stands for a methyl, ethyl or propyl radical, and X stands for a 2-methyl-4-thiazolyl or 2-methyl-4-oxazolyl radical,

wherein the nitrogen atom and/or the sulfur atom in X can be present in oxidized form, and

wherein, R^2 and R^8 each are simultaneously not a methyl radical,

or a stereoisomer thereof.

2. (Previously presented) A compound according to claim 1, in which R^8 is a hydrogen atom.

3. (Previously presented) A compound according to claim 1, in which R^8 is a methyl group.

4. (Previously presented) A compound according to claim 1, in which R^2 is an ethyl group.

5. (Previously presented) A compound according to claim 1, in which R^2 is a propyl group.

6-16. (Cancelled)

17. (Previously presented) A compound according to claim 2, in which R^2 is a propyl group.

18. (Previously presented) A compound according to claim 1, in which R^5 is a methyl group.

19. (Cancelled)

20. (Previously presented) A compound of formula I of claim 1, which is:

(4S,7R,8S,9S,13(E or Z),16S(E))-4,8-Dihydroxy-16-(2-(2-methyl-4-thiazolyl)ethenyl)-1-oxa-5,5,7,9,13-pentamethyl-cyclohexadec-13-ene-2,6-dione,

(1(S or R),3S(E),7S,10R,11S,12S,16R)-7,11-Dihydroxy-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8,10,12,16-pentamethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(1(R or S),3S(E),7S,10R,11S,12S,16S)-7,11-Dihydroxy-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8,10,12,16-pentamethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(4S,7R,8S,9S,13(E or Z),16S(E))-4,8-Dihydroxy-7-ethyl-16-(2-(2-methyl-4-thiazolyl)ethenyl)-1-oxa-5,5,9,13-tetramethyl-cyclohexadec-13-ene-2,6-dione,

(1(S or R),3S(E),7S,10R,11S,12S,16R)-7,11-Dihydroxy-10-ethyl-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8,12,16-tetramethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(1(R or S),3S(E),7S,10R,11S,12S,16S)-7,11-Dihydroxy-10-ethyl-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8,12,16-tetramethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(4S,7R,8S,9S,13(E or Z),16S(E))-4,8-Dihydroxy-16-(2-(2-methyl-4-thiazolyl)ethenyl)-1-oxa-5,5-(1,3-trimethylene)-7,9,13-trimethyl-cyclohexadec-13-ene-2,6-dione,

(1(S or R),3S(E),7S,10R,11S,12S,16R)-7,11-Dihydroxy-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8-(1,3-trimethylene)-10,12,16-trimethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(1(R or S),3S(E),7S,10R,11S,12S,16S)-7,11-Dihydroxy-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8-(1,3-trimethylene)-10,12,16-trimethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione,

(4S,7R,8S,9S,13(E or Z),16S(E))-4,8-Dihydroxy-7-ethyl-16-(2-(2-methyl-4-thiazolyl)ethenyl)-1-oxa-5,5-(1,3-trimethylene)-9,13-dimethyl-cyclohexadec-13-ene-2,6-dione,

(1(S or R),3S(E),7S,10R,11S,12S,16R)-7,11-Dihydroxy-10-ethyl-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8-(1,3-trimethylene)-12,16-dimethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione, or

(1(R or S),3S(E),7S,10R,11S,12S,16S)-7,11-Dihydroxy-10-ethyl-3-(2-(2-methyl-4-thiazolyl)ethenyl)-8,8-(1,3-trimethylene)-12,16-dimethyl-4,17-dioxabicyclo[14.1.0]heptadeca-5,9-dione.

21. (Previously presented) A pharmaceutical composition comprising at least one compound of formula I according to claim 1 and a pharmaceutically compatible vehicle.

22. (Canceled)

23. (Previously presented) A method for preparing a pharmaceutical composition comprising bringing together a pharmaceutically acceptable carrier and a compound of formula I according to claim 1.

24. (Currently amended) A pharmaceutical composition comprising a <u>therapeutically effective amount of a</u> compound of claim 20 and a pharmaceutically compatible vehicle.

25. (Previously presented) A compound according to claim 1, in which X is 2-methyl-4-thiazolyl.

26. (Previously presented) A compound according to claim 1, in which X is 2-methyl-4-oxazolyl radical.

27. (Previously presented) A compound according to claim 1, in which R^{1a} and R^{1b} in each case stand for a methyl group.

28. (Previously presented) A compound according to claim 1, in which R^{1a} and R^{1b} together stand for a trimethylene group.

29. (Previously presented) A compound according to claim 1, in which R^6 and R^7 together mean an oxygen atom to provide an epoxide ring.

30. (Previously presented) A compound according to claim 25, in which R^6 and R^7 together mean an oxygen atom to provide an epoxide ring.

31. (Previously presented) A compound according to claim 26, in which R^6 and R^7 together mean an oxygen atom to provide an epoxide ring.

32. (Previously presented) A compound according to claim 27, in which R^6 and R^7 together mean an oxygen atom to provide an epoxide ring.

33. (Previously presented) A compound according to claim 28, in which R^6 and R^7 together mean an oxygen atom to provide an epoxide ring.